

FIG. 1

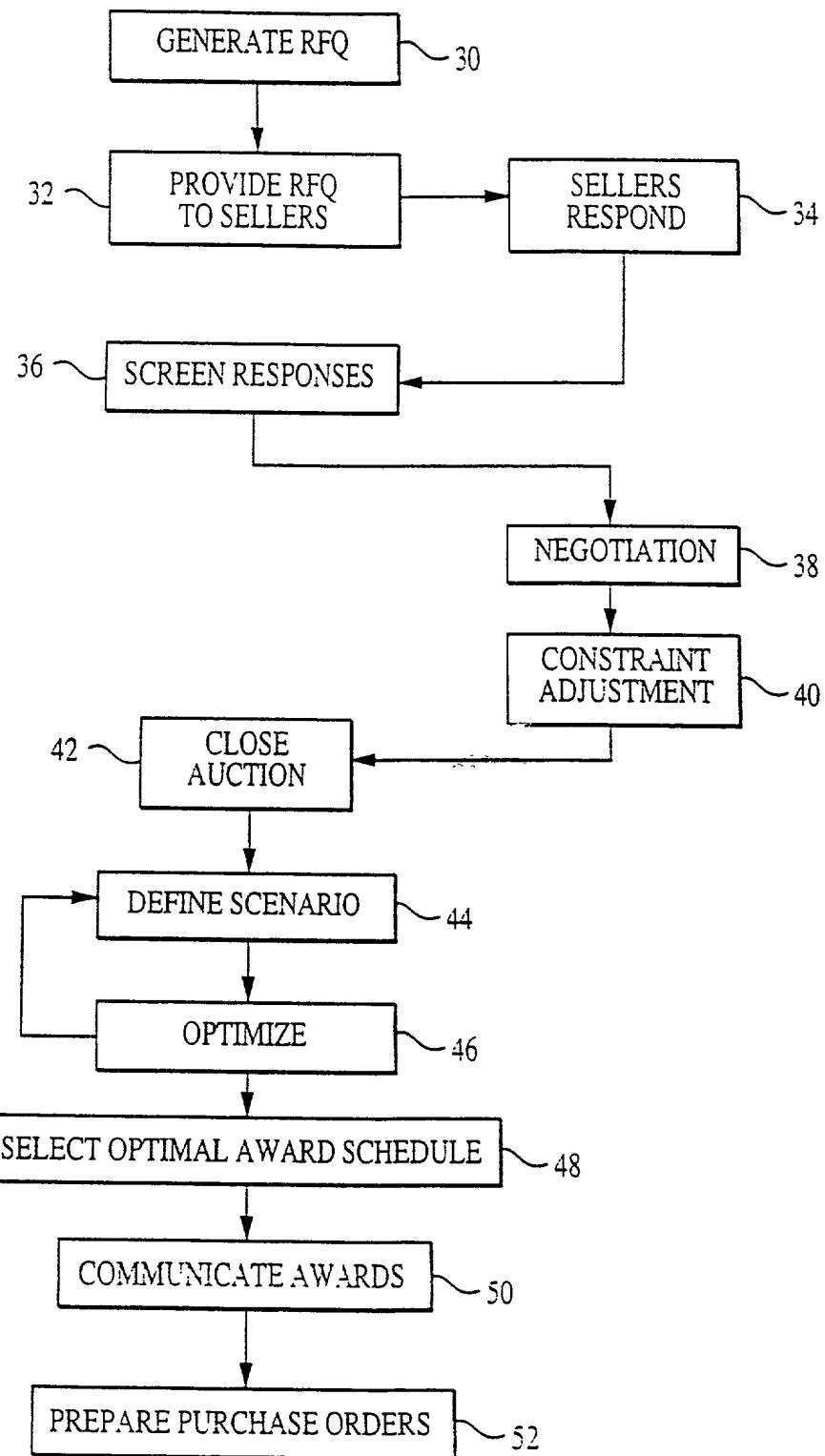


FIG. 2

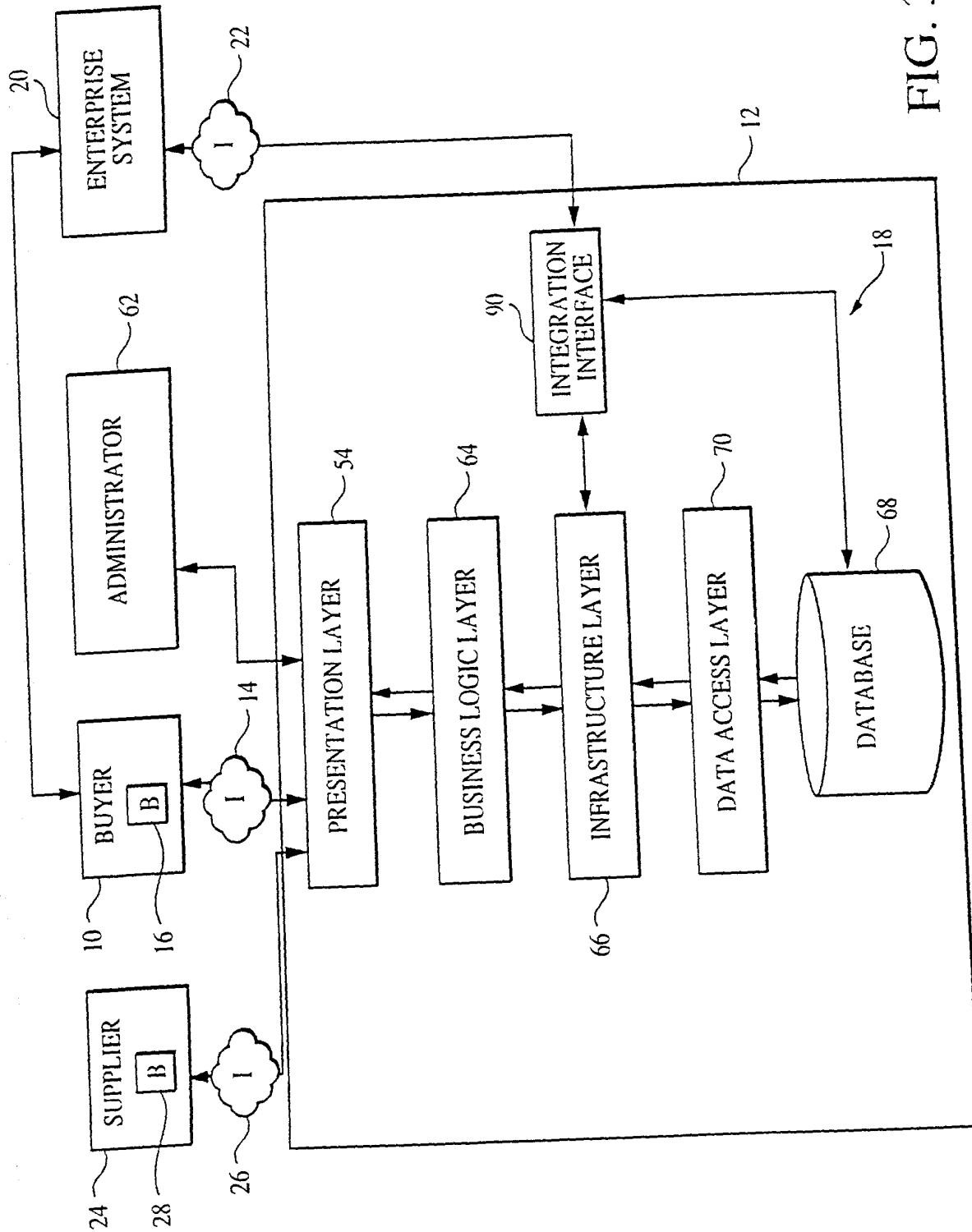
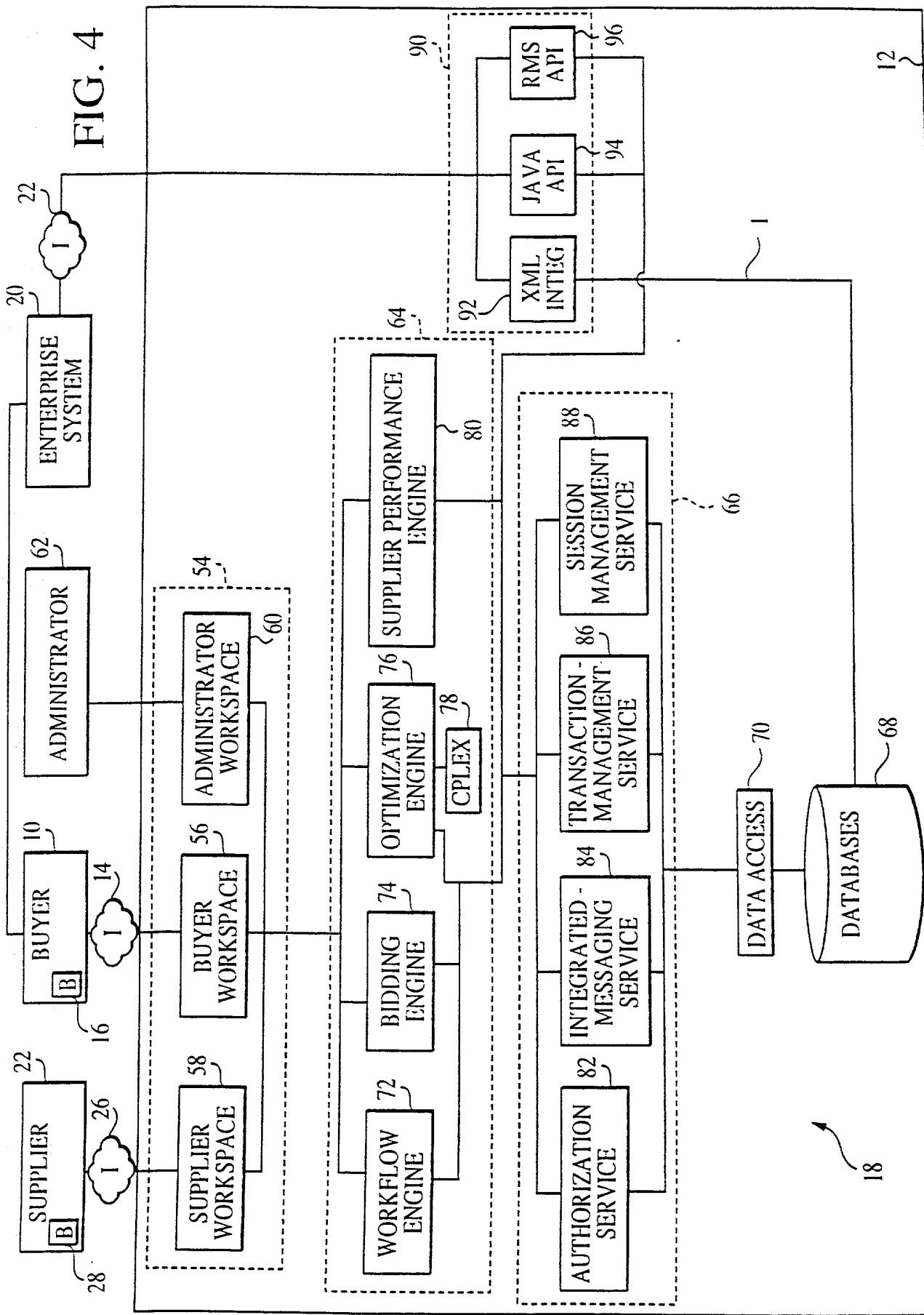


FIG. 3

FIG. 4



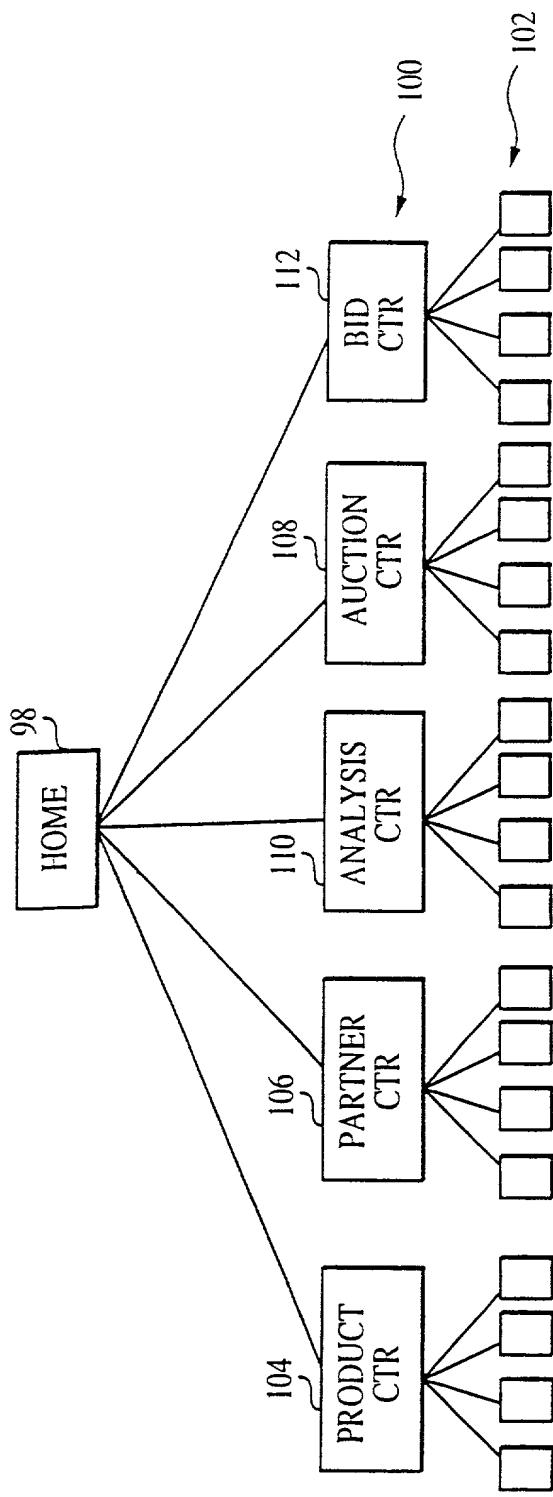
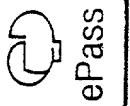


FIG. 5

FIG. 6

 ePass - Microsoft Internet Explorer																									
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> <input type="checkbox"/> Back <input type="checkbox"/> Forward <input type="checkbox"/> Stop <input type="checkbox"/> Refresh <input type="checkbox"/> Home <input type="checkbox"/> Search <input type="checkbox"/> Favorites <input type="checkbox"/> History <input type="checkbox"/> Mail <input type="checkbox"/> Print <input checked="" type="checkbox"/> [W] Edit <input type="checkbox"/> Discuss <input type="checkbox"/> Dell Home <input type="checkbox"/> [?] Go <input type="checkbox"/> Links >> </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> Address: <input type="text" value="http://gal3len/index.htm"/> </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> Status: <input type="text" value="http://www.doil.com"/> </div>																									
<h2>Registration Form</h2> <p>Please fill in the following for (*) indicating required fields:</p>																									
<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>electronic procurement application for strategic sourcing</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; display: inline-block;">  ePass </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Organization Information:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Organization Type (*):</td> <td style="width: 50%;"><input type="button" value="Seller ▶"/></td> </tr> <tr> <td>Organization Name (*):</td> <td><input type="text" value="ABC Co."/></td> </tr> <tr> <td>Code (*):</td> <td><input type="text" value="ABCCO"/></td> </tr> <tr> <td>Description (*):</td> <td><input type="text" value="ABC Electronics"/></td> </tr> <tr> <td>URL (*):</td> <td><input type="text" value="http://www.doil.com"/></td> </tr> </table> </div> <div style="width: 45%;"> <p>Default Organization User:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Login Name (*):</td> <td style="width: 50%;"><input type="text" value="ABCSeller"/></td> </tr> <tr> <td>Name (*):</td> <td><input type="text" value="AI Tradings"/></td> </tr> <tr> <td>Email Address (*):</td> <td><input type="text" value="al@bigbuy.com"/></td> </tr> <tr> <td>Fax Number</td> <td><input type="text"/></td> </tr> <tr> <td>Phone Number (*):</td> <td><input type="text" value="123-123-1234"/></td> </tr> <tr> <td>Select Password (*):</td> <td><input type="text" value="...."/></td> </tr> <tr> <td>Re-enter Password (*):</td> <td><input type="text" value="...."/></td> </tr> </table> </div> </div> <div style="text-align: right; margin-top: 10px;"> <input type="button" value="Proceed"/> <input type="button" value="Reset"/> <input type="checkbox"/> Local Intranet <input type="checkbox"/> Done </div>		Organization Type (*):	<input type="button" value="Seller ▶"/>	Organization Name (*):	<input type="text" value="ABC Co."/>	Code (*):	<input type="text" value="ABCCO"/>	Description (*):	<input type="text" value="ABC Electronics"/>	URL (*):	<input type="text" value="http://www.doil.com"/>	Login Name (*):	<input type="text" value="ABCSeller"/>	Name (*):	<input type="text" value="AI Tradings"/>	Email Address (*):	<input type="text" value="al@bigbuy.com"/>	Fax Number	<input type="text"/>	Phone Number (*):	<input type="text" value="123-123-1234"/>	Select Password (*):	<input type="text" value="...."/>	Re-enter Password (*):	<input type="text" value="...."/>
Organization Type (*):	<input type="button" value="Seller ▶"/>																								
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Name (*):	<input type="text" value="AI Tradings"/>																								
Email Address (*):	<input type="text" value="al@bigbuy.com"/>																								
Fax Number	<input type="text"/>																								
Phone Number (*):	<input type="text" value="123-123-1234"/>																								
Select Password (*):	<input type="text" value="...."/>																								
Re-enter Password (*):	<input type="text" value="...."/>																								

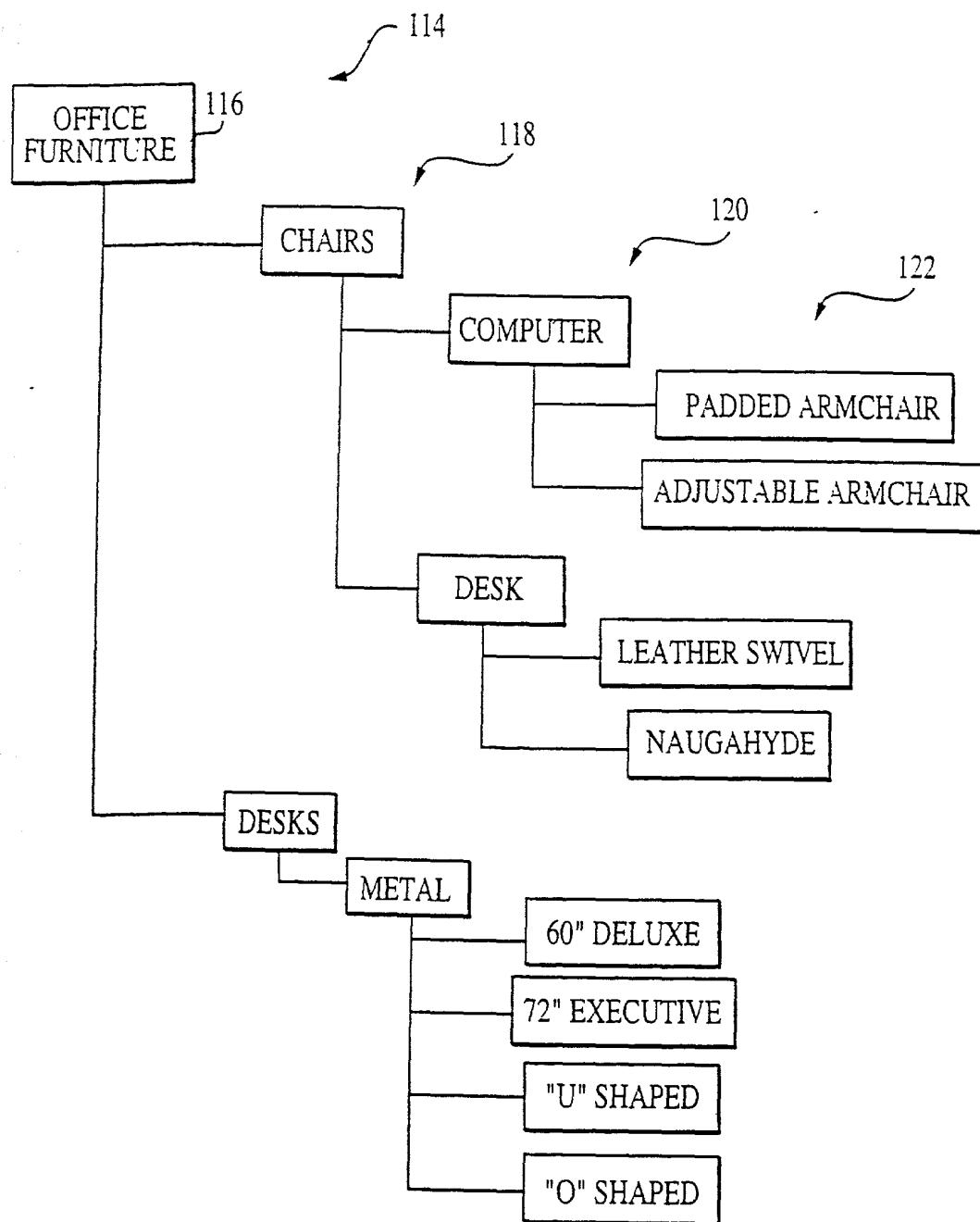


FIG. 7

FIG. 8

ePass - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print W Edit Discuss

Address: <http://qa03/en/index.html>

Home > Auction Center > Auction: Electrical > Auction Configuration: Step 4:

Bid Attributes

Step 1: Setup Auction	Step 2: Format Parameters	Step 3: Item Attributes	Step 4: Bid Attributes	Step 5: Bidders	Step 6: Notes	<u>Auction Summary</u>
-----------------------------	---------------------------------	-------------------------------	------------------------------	--------------------	------------------	------------------------

Auction: Electrical

Please configure the information fields you would like Partners to provide as part of their bids. To add a new attribute, define the name in the text box and click **Add Attribute**. To delete an attribute from the list, check-select the item and click **Delete Attribute**.

New Attribute Name:

Add Attribute **Delete Attribute**

Warranty Days

Bid Parameters

Buyer Home **Message Center** **Manage Products** **Configure Partners** **Manage Auctions** **View Bids** **Analyze Bids** **Logout** **Help** **Done** Local Intranet

ePass Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss

Address: <http://qa03len/index.html>

Home > Partner Center > Category Rating > Category Rating Edit

Partner: ABC Traders
Category: Electronics

Edit Partner Category Rating

The following are the Participant performance factor ratings for category Electronics.
To modify, make changes in the form and click Save.
Valid values are from 1 to 100 (Worst to Best).

Name	Code	Description	Default Value	Partner Rating
Quality	Q1	Quality Rating	50	50

Buyer Home **Message Center** **Manage Products** **Configure Partners** **Manage Auctions** **View Bids** **Analyze Bids** **Logout**

Help **Done** **Local Intranet**

ePass
electronic procurement
application for
strategic sourcing

FIG. 9

ePass - Microsoft Internet Explorer

File	Edit	View	Favorites	Tools	Help
Back	Forward	Stop	Refresh	Home	Search
			Favorites	History	Print
			Mail	[W]	Discuss
			Edit	[W]	Del Home
			Go	Link	»

Address: <http://qa03/en/index.html>

Home > Auction Center

electronic procurement application for strategic sourcing



[View Pending Auctions](#) [View Open Auctions](#) [View Closed Auctions](#) [View Awarded Auctions](#) [Import/Export](#)

The following is the list of Created Auctions you have offered or currently offering. Click on the Auction id or description to bring up the Auction status report. Click on the action links for other Auction features.

1-4 of 4				
<input type="checkbox"/>	Name	Type	Open	Close
<input type="checkbox"/>	Supplies	Dutch	Open Auction	Actions
<input type="checkbox"/>	Electrical	Sealed	Open Auction	Actions
<input type="checkbox"/>	test1	Sealed	Open Auction	Actions
<input type="checkbox"/>	AXSAuction1	Dutch	Open Auction	Actions

[Create New Auction](#) [Cancel Selected Auctions](#)

[Buyer Home](#) [Message Center](#) [Manage Products](#) [Configure Partners](#) [Manage Auctions](#) [View Bids](#) [Analyze Bids](#) [Logout](#)

[Help](#)

http://qa03/en/b_auction_start.jsp?forward=left_auction_main.jsp?action=list&cur_id=1007&ePass_session=ahuyer_95

Local Intranet

FIG. 10

ePass - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Dell Home

Address http://qa03/enfindex.html

Home > Auction Center > Supplies

Auction Dates

Open Auction for bidding

Populate the dates below to specify the opening and closing time of the auction. When done, click Open Later to update the database. Click Cancel to cancel any changes. The Now buttons will put today's date into the corresponding date selection lists. Click Open Right Now to open the auction immediately.

The following rules apply:

1. An auction can NOT be started if:
 - a. You do not have management privileges.
 - b. There are no requisitions or items defined for the auction.
 - c. If the auction is a sealed type and there are no Participants approved for the auction.
 - d. Opening date can not be modified if the auction has already started.
 - e. Closing date does not have to be specified.
 - f. The closing date cannot be before the opening date.

Month	Day	Year	Hour	Minute
Open Date	May ▶	11 ▶	2000 ▶	12 ▶ 00 ▶
Close Date	Jun ▶	11 ▶	2000 ▶	12 ▶ 00 ▶
		Now	Now	Clear

Open Later Cancel Open Right Now

View Bids

Analyze Bids

Logout

Help

Done

Local intranet

electronic procurement application for strategic sourcing

ePass

FIG. 11

ePass - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Dell Home Go Link >

Address http://qad3/en/index.html

Home > Bid Center

View Open Auctions View Closed Auctions View Awarded Auctions View All Auctions

The following Auctions are available. Click on a Auctions name to view the associated requisitions. View All Auctions.

1-7 of 7

Name	Status	Type	Open	Close
rfosshx1	Open	Dutch	05/09/2000 10:29	06/09/2000 10:30
Supplies	Closed	Dutch	05/11/2000 12:01	05/11/2000 15:41
Electrical	Open	Sealed	05/11/2000 14:25	07/11/2000 14:30
RFosshx	Open	Sealed	05/10/2000 16:18	06/10/2000 16:30
Construction	Open	Sealed	05/11/2000 14:31	07/11/2000 14:30
Supplies2	Open	Dutch	05/11/2000 15:48	07/11/2000 16:00
Supplies3	Open	Dutch	05/11/2000 16:14	

Buyer Home Message Center Manage Products Configure Partners Manage Auctions View Bids Analyze Bids Logout Help Local Intranet

electronic procurement application for strategic sourcing

ePass

FIG. 12

FIG. 13

ePass - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Dell Home

Address Go Link >

Home > Bid Center > Auction Supplies2 > Requisition Items: Req 1

electronic procurement application for strategic sourcing

ePass

Auction Info

Auction Name	Supplies2
Auction Status	Open
Auction Type	Dutch
Show All Bidders	No
Start Date	05/11/2000 15:48
End Date	07/11/2000 16:00

View Requisition Items

The following line items are in the requisition.

1-3 of 3

Level	Item	Type	Category	Description	Desired Qty	Price	Action
Pencils	Single Item	sshort1	#2 Pencils	1,000			Bid Messages
Lined Paper	Single Item	sshort1	8/11 Lined Paper White	100			Bid Messages
Fax Paper	Single Item	sshort1	Fax Paper 8/11	1,000			Bid Messages

Supplier Home Message Center View Bids Logout Help Done Local intranet

ePass - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Dell Home

Address: http://qad3/en/index.htm

Product Category	sshcatt1
Name	Pencils
Code	PEN101
Description	# 2 Pencils
Minimum Desired Quantity	0
Maximum Desired Quantity	1,000
Price Quote Unit	
Lot Size	
Required Delivery Date	

Supplier Home

View Bids

The following are the current bids for this item.
0 of 0

Bidder	Bid Type	Max Bid Quantity	Price per Unit
--------	----------	------------------	----------------

Enter Bid for the item

Enter the price per Unit and any other fields before clicking the Submit button:

Partner Product Code	PENz10
Comment	In Stock
Maximum	1000
Price Per Unit	05

Save Cancel

Local Intranet

FIG. 14

FIG. 15A

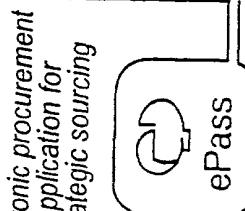
 <p>ePass - Microsoft Internet Explorer</p> <p>File Edit View Favorites Tools Help</p> <p>Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Dell Home</p> <p>Address: http://ka03/en/index.html</p>		<p><u>Home > Bid Center > Auction Supplies2 > Requisition: Req 1 > Item: Pencils</u></p> <p><i>electronic procurement application for strategic sourcing</i></p> <p>Auction Info</p> <table border="1"> <tr><td>Auction Name</td><td>Supplies2</td></tr> <tr><td>Auction Status</td><td>Open</td></tr> <tr><td>Auction Type</td><td>Dutch</td></tr> <tr><td>Show All Bidders</td><td>No</td></tr> <tr><td>Start Date</td><td>05/11/2000 15:48</td></tr> <tr><td>End Date</td><td>07/11/2000 16:00</td></tr> </table> <p>Item Details</p> <table border="1"> <tr><td>Product Category</td><td>sshcat1</td></tr> <tr><td>Name</td><td>Pencils</td></tr> <tr><td>Code</td><td>PEN101</td></tr> <tr><td>Description</td><td># 2 Pencils</td></tr> <tr><td>Minimum Desired Quantity</td><td>1,000</td></tr> <tr><td>Maximum Desired Quantity</td><td>1,000</td></tr> <tr><td>Price Quote Unit</td><td></td></tr> <tr><td>Lot Size</td><td></td></tr> <tr><td>Required Delivery Date</td><td></td></tr> </table> <p>Lowest Bid</p> <table border="1"> <tr><td>Bidder</td><td>7</td></tr> <tr><td>Max Bid Quantity</td><td>1,000</td></tr> <tr><td>Price Per Unit</td><td>\$0.05</td></tr> <tr><td>Highest Bid Allowed</td><td>\$0.04</td></tr> </table> <p>View Bids</p> <p>The following are the current bids for this item.</p> <p>Done</p>		Auction Name	Supplies2	Auction Status	Open	Auction Type	Dutch	Show All Bidders	No	Start Date	05/11/2000 15:48	End Date	07/11/2000 16:00	Product Category	sshcat1	Name	Pencils	Code	PEN101	Description	# 2 Pencils	Minimum Desired Quantity	1,000	Maximum Desired Quantity	1,000	Price Quote Unit		Lot Size		Required Delivery Date		Bidder	7	Max Bid Quantity	1,000	Price Per Unit	\$0.05	Highest Bid Allowed	\$0.04
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Auction Status	Open																																								
Auction Type	Dutch																																								
Show All Bidders	No																																								
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Required Delivery Date																																									
Bidder	7																																								
Max Bid Quantity	1,000																																								
Price Per Unit	\$0.05																																								
Highest Bid Allowed	\$0.04																																								

FIG.
15B

ePass - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Dell Home Go Link >

Address: http://qa03/len/index.html

Start Date: 05/11/2000 15:48
End Date: 07/11/2000 16:00

Item Details

Product Category	sshcat1	Reserved Price
Name	Pencils	Historical Price
Code	PEN101	Minimum Bid Quantity
Description	# 2 Pencils	Maximum Bid Quantity
Minimum Desired Quantity	1,000	
Maximum Desired Quantity		
Price Quote Unit		
Lot Size		
Required Delivery Date		

Buyer Home Message Center Manage Products

Configure Partners Manage Auctions View Bids Analyze Bids Logout

View Bids

The following are the current bids for this item.
1-3 of 3

Bidder	Organization	Bid Type	Bundle Code*	Max Bid Quantity	Price Per Unit
Harry Sales	ABC Co	Single Item Bid		1,000	\$0.05
Ed Catton	BestDeal	Single Item Bid		1,000	\$0.05
Boe Cheaper	Surfin' Seller	Single Item Bid		1,000	\$0.06

Done Local Intranet

ePass - Microsoft Internet Explorer File Edit View Favorites Tools Help Back Forward Stop Refresh Home Search Favorites History Mail Print [W] Edit Discuss Dell Home Address http://qa03/en/index.html		Home > Bid Center > Auction: Electrical > Requisition:real > Item: 30 AMP Breakers Auction Info Auction Name: Electrical Auction Status: Open Auction Type: Sealed Show All Bidders: No Start Date: 05/11/2000 14:25 End Date: 07/11/2000 14:30																																	
Item Details <table border="1"> <tr> <td>Buyer Home</td> <td>Product Category</td> <td>Reserved Price</td> </tr> <tr> <td>Message Center</td> <td>Name</td> <td>Historical Price</td> </tr> <tr> <td>Manage Products</td> <td>Code</td> <td>Minimum Bid Quantity</td> </tr> <tr> <td>Configure Partners</td> <td>Description</td> <td>Maximum Bid Quantity</td> </tr> <tr> <td>Manage Auctions</td> <td>Minimum Desired Quantity</td> <td>Tolerances</td> </tr> <tr> <td>View Bids</td> <td>Maximum Desired Quantity</td> <td></td> </tr> <tr> <td>Analyze Bids</td> <td>Price Quote Unit</td> <td></td> </tr> <tr> <td>Logout</td> <td>Lot Size</td> <td></td> </tr> <tr> <td></td> <td>Required Delivery Date</td> <td></td> </tr> </table>				Buyer Home	Product Category	Reserved Price	Message Center	Name	Historical Price	Manage Products	Code	Minimum Bid Quantity	Configure Partners	Description	Maximum Bid Quantity	Manage Auctions	Minimum Desired Quantity	Tolerances	View Bids	Maximum Desired Quantity		Analyze Bids	Price Quote Unit		Logout	Lot Size			Required Delivery Date						
Buyer Home	Product Category	Reserved Price																																	
Message Center	Name	Historical Price																																	
Manage Products	Code	Minimum Bid Quantity																																	
Configure Partners	Description	Maximum Bid Quantity																																	
Manage Auctions	Minimum Desired Quantity	Tolerances																																	
View Bids	Maximum Desired Quantity																																		
Analyze Bids	Price Quote Unit																																		
Logout	Lot Size																																		
	Required Delivery Date																																		
View Bids The following are the current bids for this item. 1-5 of 5																																			
<table border="1"> <tr> <td>Bidder</td> <td>Organization</td> <td>Bid Type</td> <td>Bundle Code*</td> <td>Min Bid Quantity</td> <td>Max Bid Quantity</td> <td>Price Per Unit</td> <td>One Time Charge</td> </tr> <tr> <td>Harry Sales</td> <td>ABC Co</td> <td>Single Item</td> <td>Bid</td> <td>40</td> <td>100</td> <td>\$5.00</td> <td>\$0.00</td> </tr> <tr> <td>Ed.Cation</td> <td>Ract.Dal</td> <td>Sinato.Ian</td> <td></td> <td>20</td> <td>20</td> <td>\$4.00</td> <td>\$0.00</td> </tr> <tr> <td colspan="8">Local Intranet</td> </tr> </table>				Bidder	Organization	Bid Type	Bundle Code*	Min Bid Quantity	Max Bid Quantity	Price Per Unit	One Time Charge	Harry Sales	ABC Co	Single Item	Bid	40	100	\$5.00	\$0.00	Ed.Cation	Ract.Dal	Sinato.Ian		20	20	\$4.00	\$0.00	Local Intranet							
Bidder	Organization	Bid Type	Bundle Code*	Min Bid Quantity	Max Bid Quantity	Price Per Unit	One Time Charge																												
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Local Intranet																																			

FIG. 16A

ePass - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print [W] Edit Discuss Dell Home Link > Go

Address: <http://qa03/jen/index.html>

Snow AM Brothers TWO

Start Date	05/11/2000 14:25
End Date	07/11/2000 14:30

electronic procurement application for strategic sourcing

ePass

Item Details

Product Category	sshcatt1
Name	30 AMP Breakers
Code	BK30A101
Description	30 AMP Circuit Breaker
Minimum Desired Quantity	40
Maximum Desired Quantity	
Price Quote Unit	
Lot Size	
Required Delivery Date	

View Bids

The following are the current bids for this item.
1-5 of 5

Bidder	Organization	Bid Type	Bundle Code*	Min Bid Quantity	Max Bid Quantity	Price Per Unit	One Time Charge
Harry Sales	ABC Co	Single Item		40	100	\$5.00	\$0.00
Ed Cation	BestDeal	Single Item	Bid	20	20	\$4.00	\$1.00
Boe Cheaper	Surfin' Seller	Single Item	Bid	1	10	\$5.50	\$0.00
Boe Cheaper	Surfin' Seller	Single Item	Bid	11	30	\$5.00	\$0.00
Boe Cheaper	Surfin' Seller	Single Item	Bid	31	50	\$3.50	\$0.00

View Bids Analyze Bids Logout Help Local Intranet

FIG. 16B

ePass - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Dell Home

Address: http://qad3tlenf/index.htm

Required Delivery Date

View Bids
The following are the current bids for this item.
0 of 0

Bidder Bid Type Min Bid Quantity Max Bid Quantity Price Per Unit One Time Charge

ePass

electronic procurement application for strategic sourcing

Supplier Home Message Center View Bids Logout Help

Enter Bid for the Item
Enter the Price per Unit and any other fields before clicking the Submit button:

Partner Product Code	ABKR01	Minimum	Price Per Unit	One Time Charge
Comment		Maximum		
Warranty Days	6q			
Volume Bid Set 1	1	10	5.50	
Volume Bid Set 2	11	30	5.00	
Volume Bid Set 3	31	50	3.50	

Save Cancel

Local Intranet

FIG. 17

<u>ITEM</u>	<u>QTY DESIRED</u>	<u>BID 1 ABC CO.</u>		<u>BID 2 BESTDEAL</u>		<u>BID 3 SURFIN</u>
2x4x8	400	400	1.25	400	1.25	400
2x12x10	1000	1000	5.00	1000	4.50	1000
PW 4x8x1/2	100	100	25.00	100	25.00	100
<u>BUNDLED @ \$7350</u>						

FIG. 18

ePass - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit [W] Discuss Dell Home Address: http://qa03/en/index.html

Home > Bid Center > Auction: Construction > Requisition Items: REQ1

Auction Info			
Auction Name	Construction		
Auction Status	Open		
Auction Type	Sealed		
Show All Bidders	No		
Start Date	05/11/2000 14:31		
End Date	07/11/2000 14:30		

Supplier Home

Message Center

View Bids

Logout

Help

View Requisition Items

The following line items are in the requisition.

Level	Selection	Item	Type	Category	Description	Desired Qty	Price	Action
	<input checked="" type="checkbox"/>	2x4x8	Single Item	sshcatt1	Lumber 2 x 4 x 8 ft	400		Bid
	<input checked="" type="checkbox"/>	2x12x10	Single Item	sshcatt1	Lumber 2 x 12 x 10 ft	1,000		Messages
	<input checked="" type="checkbox"/>	PW 4x8x12	Single Item	sshcatt1	Plywood 4 x 8 x 1/2 in	100		Bid
								Messages

Select All | Unselect All | Switch All

Create Bundled Bid

Local Intranet

FIG. 19

ePass - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Print Mail Edit W Discuss Dell Home

Address: http://10.0.1.103/ePass/index.htm

Home > Bid Center > RFQ: Construction > Requisition:REQ1 > Create Bundled Bid

Auction Info

Auction Name	Construction
Auction Status	Open
Auction Type	Sealed
Show All Bidders	No
Start Date	05/11/2000 14:31
End Date	07/11/2000 14:30

Create Bundled Bid

Enter the product Quantity per Bundle, Price per Bundle, and any other fields before clicking the Submit button.

Buyer	Seller			
Line Item	Name	Desired Quantity	Quantity per Bundle	Product Code
020408	2 x 4 x 8	400	400	021190
021210	2 x 12 x 20	1,000	1000	090121
0406005	PW 4 x 8 x 1/2	100	100	902019

Supplier Home

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Bundle Description:

Bundle of Materials
Bundled bid for Req 1 of Construction RFQ

Bundle Composition:

Line Item	Name	Desired Quantity	Quantity per Bundle	Product Code
020408	2 x 4 x 8	400	400	021190
021210	2 x 12 x 20	1,000	1000	090121
0406005	PW 4 x 8 x 1/2	100	100	902019

Local Intranet

FIG. 20A

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Address: http://iga03env/index.html

Auction type: Sealed

Show All Bidders: No

Start Date: 05/11/2000 14:31

End Date: 07/11/2000 14:30

Create Bundled Bid

Enter the product Quantity per Bundle, Price per Bundle, and any other fields before clicking the Submit button:

Seller Bundle Code	Bundle Description:
Comment	Bundle of Materials

Bundled bid for Req 1 of Construction RFQ

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Bundle Composition:

Line Item	Buyer Name	Desired Quantity	Seller
020408	2 x 4 x 8	400	021190
021210	2 x 12 x 10	1,000	090121
0406005	PW 4 x 8 x 1/2	100	902019

Bundle Pricing:

Number of Bundles	Cost		
Minimum	Maximum	Price per Bundle	One-Time Charge
1	10	7350	

Save Cancel Local Intranet

FIG. 20B

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Address: http://qad3len/index.html

Home > Analyze Bids Center

Auction: Electrical

Change Auction Electrical

Scenarios Schedules

The following are the scenarios created for Auction Electrical

Id	Name	Coverage	Purchasing Cost (000's)	System Cost (000's)	Perf. Ratio	Actions
No scenarios defined						

Buyer Home Message Center Manage Products Configure Partners Manage Auctions View Bids Analyze Bids Logout Help

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FIG. 21

FIG. 22

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Home > Analyze Bids Center > New Scenario

Auction: Electrical Scenario:

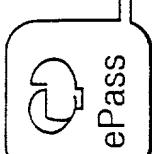
New Scenario

Please fill in the following information for the scenario.

Name	<input type="text"/>
Description	<input type="text"/>
Recommend Secondary Vendors	▼
Number of Secondary Vendors	2
Rules	<input checked="" type="checkbox"/> Manual Awards <input checked="" type="checkbox"/> Business Rules <input type="checkbox"/> Bundles
Performance Factor Weightings	
Price	150.00%
Add Factor	<input type="button" value="Select a Factor ▶"/>

Help

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Address: <http://qa03/eindex.html>

1 of 1

Home > Analyze Bids > Business Rules

Auction: Electrical
Scenario: Price Only

Setup Manual Awards Business Rules

The following is a list of business rules defined for scenario Price Only on Auction Electrical

Type	Name	Scope	Partner	Min	Max	Actions
<input type="checkbox"/> Capacity BR Quantity Limit	RFQ	Each Partner	50%	Wizard		Create Rule Delete Rules

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Help Done Local Intranet

FIG. 23

FIG. 24

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File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Dell Home Address: <http://qa03/en/index.html>

Business Rule Wizard (Step 1 of 4)

Please name the rule	BR Quantity Limit
Please give a short description	BRQTY
Limit Vendors to no more than 50% of Bid	
<input type="radio"/> Yes <input checked="" type="radio"/> No	
Please give a long description	
Do you want to ignore the rule for now?	
Please specify the type of rule <input checked="" type="radio"/> Capacity <input type="radio"/> Vendor Count <input type="radio"/> Cost <input type="radio"/> Performance Cost	
Award business to a preferred Partner or place a limit on the amount of business a Partner is awarded. Limit the number of Partners that receive awards Limit the purchasing cost (excluding performance based costs) Limit the total purchasing cost (including performance based costs)	
Next >> Cancel Done <input type="checkbox"/> Local Intranet	

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Address: http://qa03/enfindex.html

Business Rule Wizard (Step 2 of 4)

Name	BR Quantity Limit
Short Description	BRQTY
Long Description	Limit Vendors to no more than 50% of Bid
Ignore For Now?	No
Type	Capacity

Please specify the scope of the rule

Auction
 Requisition (Each Requisition) ▶
 Category (Each Category) ▶
 Item (Each Item) ▶

Buyer Home Message Center Manage Products Configure Partners Manage Auctions View Bids Analyze Bids Logout Help Done

<< Back Next >> Cancel

FIG. 25

FIG. 26

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Address: http://qa03/enf/index.html

Business Rule Wizard (Step 3 of 4)

Name	BR Quantity Limit
Short Description	BRQTY
Long Description	Limit Vendors to no more than 50% of Bid
Ignore For Now?	No
Type	Capacity
Scope	RFQ

Please specify the Partner affected by the rule

(Each Partner) ▶ Apply the rule to the selected Partner.

<< Back Next >> Cancel

Buyer Home Message Center Manage Products Configure Partners Manage Auctions View Bids Analyze Bids Logout Help Done

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Business Rule Wizard (Step 4 of 4)

Name	<input type="text" value="BR Quantity Limit"/>
Short Description	<input type="text" value="BRQTY"/>
Long Description	<input type="text" value="Limit Vendors to no more than 50% of Bid"/>
Ignore For Now?	<input type="radio" value="No"/> No
Type	<input type="text" value="Capacity"/>
Scope	<input type="text" value="RFQ"/>
Partner	<input type="text" value="Each Partner"/>

Please specify the minimum and/or maximum value that should be awarded

Select the units the minimum/maximum value are specified in	<input type="radio" value="Units"/> Units <input type="radio" value="Dollars"/> Dollars <input checked="" type="radio" value="Percentage"/> Percentage
Minimum Amount to Award	<input type="text" value="0.5"/>
Maximum Amount to Award	<input type="text" value="0.5 for 50%"/>

<< Back Help Done

Local intranet

FIG. 27

FIG. 28

 ePass - Microsoft Internet Explorer	
File Edit View Favorites Tools Help	
Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Dell Home	
Address: <input type="text" value="http://qa03/en/index.html"/>	
<u>Home</u> > <u>Analyze Bids Center</u> > <u>Setup</u> > <u>Edit Scenario</u>	
Auction: Electrical Scenario: Scene Quality	
<u>Edit Scenario</u> Please fill in the following information for the scenario.	
<input type="text" value="Name"/>	<input type="text" value="Scene Quality"/>
<input type="text" value="Description"/>	<input type="button" value="Price/Quality Analysis"/>
<input type="button" value="Recommend Secondary Vendors"/>	<input type="text" value="Lowest Total Cost"/>
<input type="button" value="Number of Secondary Vendors"/>	<input type="text" value="2"/>
<input type="button" value="Rules"/>	<input checked="" type="checkbox"/> Manual Awards <input checked="" type="checkbox"/> Business Rules <input checked="" type="checkbox"/> Bundles
<input type="button" value="View Bids"/>	
<input type="button" value="Performance Factor Weightings"/>	
<input type="button" value="Analyze Bids"/>	<input type="text" value="100.00%"/>
<input type="button" value="Logout"/>	<input type="text" value="50.00%"/>
<input type="button" value="Save"/>	
<input type="button" value="Cancel"/>	
<input type="button" value="Done"/>	
<input type="checkbox"/> Local Intranet	

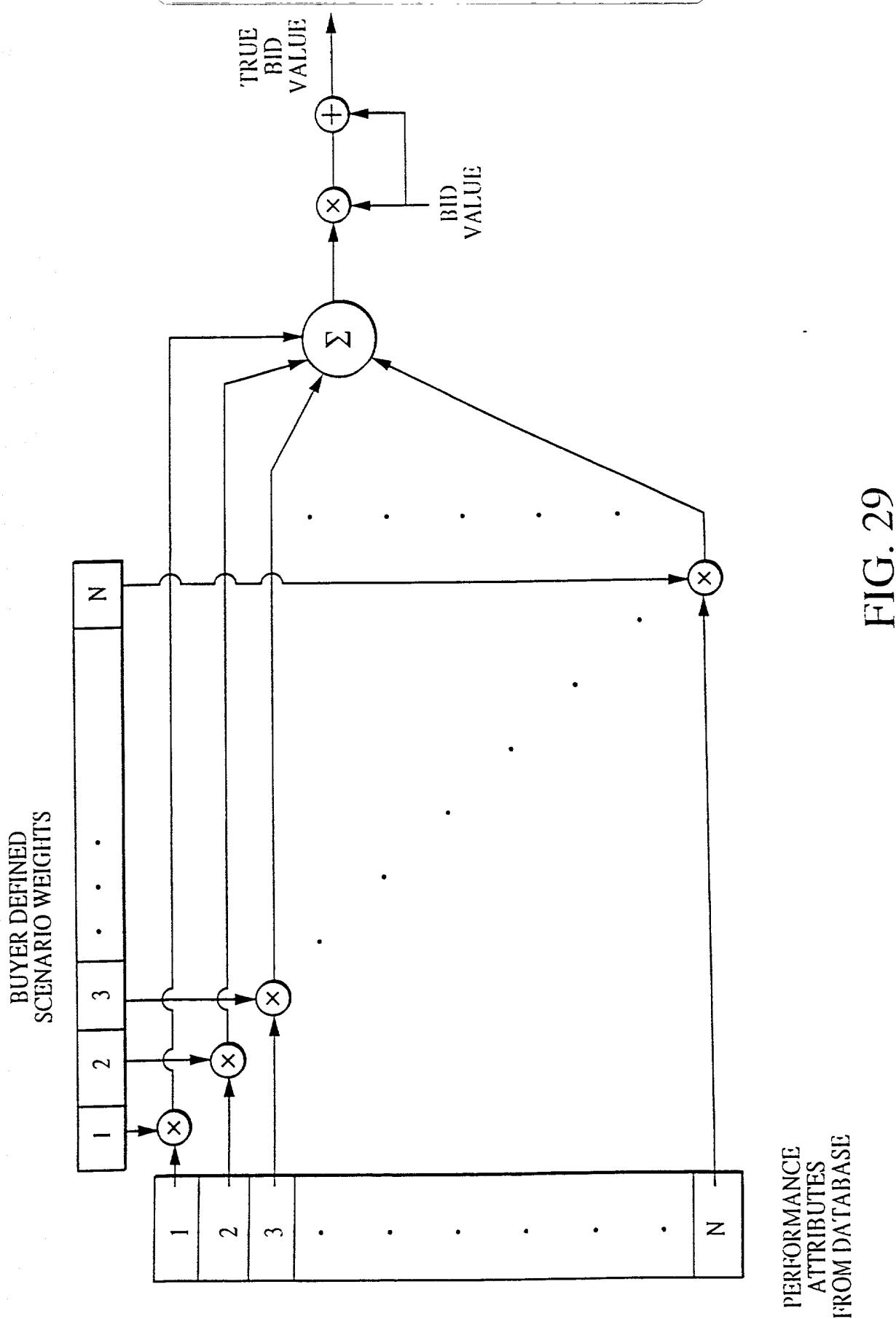


FIG. 29

$$\left(\begin{matrix} \text{PRICE} \\ \text{TERM} \end{matrix} \right) + \left(\begin{matrix} \text{NON-PRICE} \\ \text{TERM} \end{matrix} \right) - \left(\begin{matrix} \text{BVD} \\ \text{TERM} \end{matrix} \right)$$

$$\begin{aligned} \text{PRICE TERM} &= \sum_{s \in S} \sum_{b(s) \in B(s)} \left[f_i^{b(s)} X^{b(s)} + C_i^{b(s)} x_i^{b(s)} \right] + \sum_{d(s) \in D(s)} f^{d(s)} \sum_{i \in d(s)} Z_i^{d(s)} + C_i^{d(s)} Z_i^{d(s)} \\ \text{NON-PRICE TERM} &= \sum_{k \in K} \sum_{i \in I} w_{k,i} \left\{ \sum_{s \in S} \left(\frac{100 - r_{k,i}^s}{100} \right) \left[\sum_{b(s) \in B(s)} C_i^{b(s)} x_i^{b(s)} + \sum_{d(s) \in D(s)} C_i^{d(s)} Z_i^{d(s)} \right] \right\} \end{aligned}$$

$$\text{BVD TERM} = \sum_{s \in S} \sum_{bvd \in BVD(s)} \sum_{h \in sg(bvd)} D_{s,bvd}^h I_{s,bvd}^h$$

F/G. 30

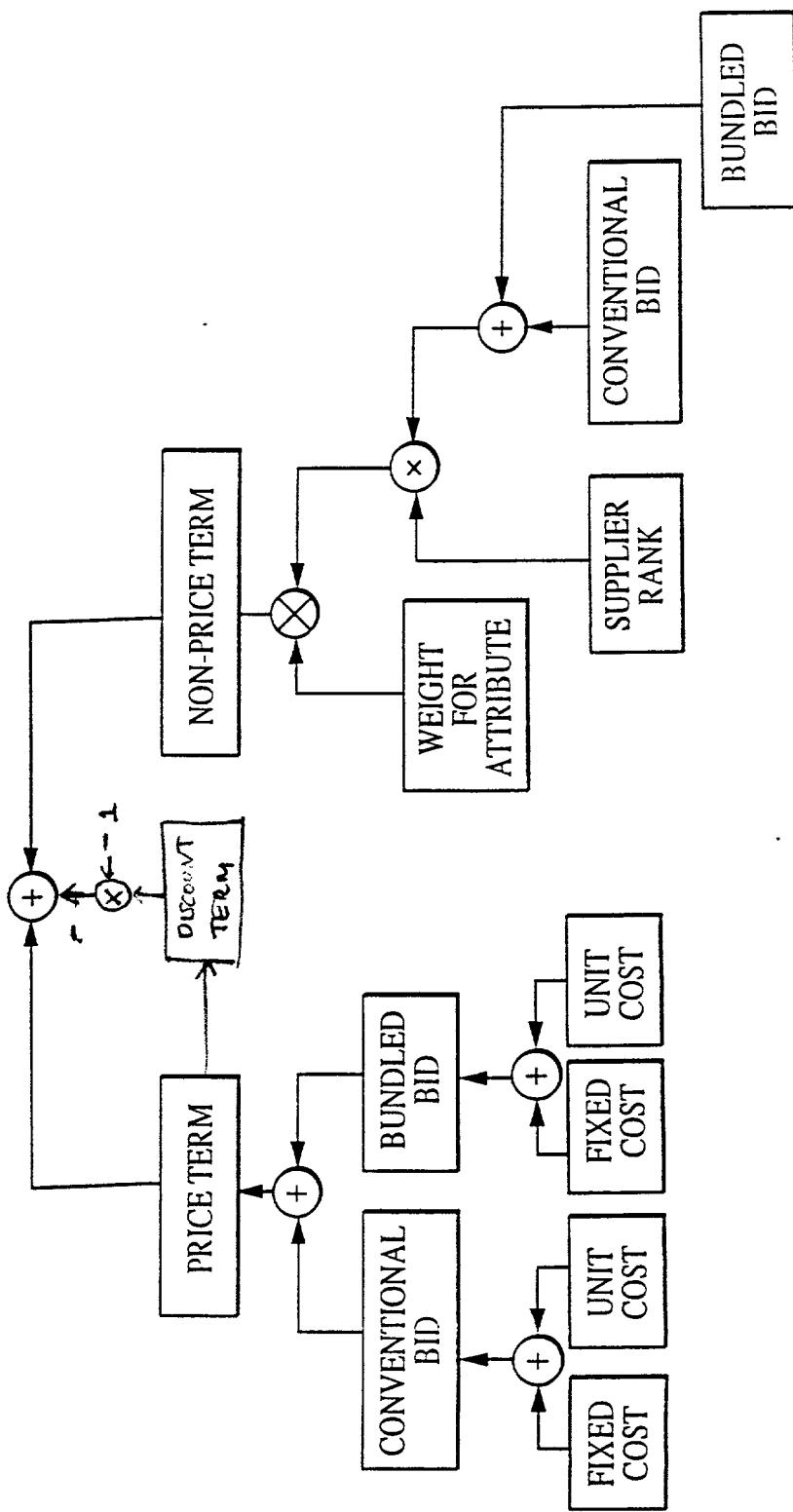


FIG. 31

$$\sum_{s \in S} \left(\sum_{b(s) \in B(s)} x_i^{b(s)} + \sum_{d(s) \in D(s)} z_i^{d(s)} \right) \leq Q_i^u \quad \forall i \in I \quad (1)$$

$$\sum_{s \in S} \left(\sum_{b(s) \in B(s)} x_i^{b(s)} + \sum_{d(s) \in D(s)} z_i^{d(s)} \right) \geq Q_i^l \quad \forall i \in I \quad (2)$$

$$\sum_{i \in g} \left(\sum_{b(s) \in B(s)} x_i^{b(s)} + \sum_{d(s) \in D(s)} z_i^{d(s)} \right) - Y_g^s M_g \leq 0 \quad \begin{matrix} \forall s \in S \\ \forall g \in G \end{matrix} \quad (3)$$

$$\sum_{i \in g} \left(\sum_{b(s) \in B(s)} x_i^{b(s)} + \sum_{d(s) \in D(s)} z_i^{d(s)} \right) - Y_g^s \geq 0 \quad \begin{matrix} \forall s \in S \\ \forall g \in G \end{matrix} \quad (4)$$

$$\sum_{s \in T} Y_g^s \leq \text{Max } N_g^t \quad \forall g \in G, \quad \forall t \in T \quad (5)$$

$$\sum_{s \in T} Y_g^s \geq \text{Min } N_g^t \quad \forall g \in G, \quad \forall t \in T \quad (6)$$

FIG. 32

$$\sum_{s \in t} \sum_{i \in g} \left(\sum_{b(s) \in B(s)} x_i^{b(s)} + \sum_{d(s) \in D(s)} z_i^{d(s)} \right) \leq \text{Max } Q_g^t \quad \forall g \in G, \forall t \in T \quad (7)$$

$$\sum_{s \in t} \sum_{i \in g} \left(\sum_{b(s) \in B(s)} x_i^{b(s)} + \sum_{d(s) \in D(s)} z_i^{d(s)} \right) \geq \text{Min } Q_g^t \quad \forall g \in G, \forall t \in T \quad (8)$$

$$\sum_{s \in t} \sum_{i \in g} \left(\sum_{b(s) \in B(s)} c_i^{b(s)} x_i^{b(s)} + \sum_{d(s) \in D(s)} c_i^{d(s)} z_i^{d(s)} \right) \leq \text{Max } V_g^t \quad \forall g \in G, \forall t \in T \quad (9)$$

$$\sum_{s \in t} \sum_{i \in g} \left(\sum_{b(s) \in B(s)} c_i^{b(s)} x_i^{b(s)} + \sum_{d(s) \in D(s)} c_i^{d(s)} z_i^{d(s)} \right) \geq \text{Min } V_g^t \quad \forall g \in G, \forall t \in T \quad (10)$$

FIG. 33

$$(11) \quad Z_i^{d(s)} - u_i^{d(s)} Z^{d(s)} \leq 0 \quad \forall i \in I, \forall s \in S, \forall b(s) \in B(s)$$

$$(12) \quad Z_i^{d(s)} - l_i^{d(s)} Z^{d(s)} \geq 0 \quad \forall i \in I, \forall s \in S, \forall b(s) \in B(s)$$

$$(13) \quad X_i^{b(s)} - X^{b(s)} U_i^{b(s)} \leq 0 \quad \forall s \in S, \forall b(s) \in B(s)$$

$$(14) \quad X_i^{b(s)} - X^{b(s)} L_i^{b(s)} \geq 0 \quad \forall s \in S, \forall b(s) \in B(s)$$

$$(15) \quad 0 \leq X_i^{b(s)} \leq U_i^{b(s)} \quad \forall s \in S, \forall b(s) \in B(s)$$

$$(16) \quad 0 \leq Z_i^{d(s)} \quad \forall d(s) \in D(s)$$

$$(17) \quad X^{b(s)} = \begin{cases} 0 \\ 1 \end{cases} \quad \forall b(s) \in B(s)$$

$$(18) \quad Y_g^s = \begin{cases} 0 \\ 1 \end{cases} \quad \forall g \in G, \forall s \in S$$

$$(19) \quad Z_g^s = \begin{cases} 0 \\ 1 \end{cases} \quad \forall g \in G, \forall s \in S$$

FIG. 34

$$(20) \quad H_{s,bvd}^U(h) \cdot I_{s,bvd}^h \geq \left[\sum_{b(s) \in B(s)} f_i^{b(s)} \cdot X_{bvd}^{b(s)} + c_i^{b(s)} \cdot x_{i,bvd}^{b(s)} + \sum_{d(s) \in D(s)} \sum_{i \in d(s)} f_i^{d(s)} \cdot Z_{i,bvd}^{d(s)} + c_i^{d(s)} \cdot z_{i,bvd}^{d(s)} \right] \geq H_{s,bvd}^L(h) \cdot I_{s,bvd}^h$$

$$(21) \quad \sum_{h \in segments(bvd)} I_{s,bvd}^h = 1 \quad \forall s \in S \quad \text{and} \quad bvd \in BVD(s)$$

$$(22) \quad \sum_{bvd \in COVEREDBVD(b(s))} J_{bvd}^{b(s)} = 1 \quad \forall s \in S \quad \text{and} \quad b(s) \in B(s)$$

$$(23) \quad \sum_{bvd \in COVEREDBVD(d(s), i)} J_{i,bvd}^{d(s)} = 1 \quad \forall s \in S, \quad d(s) \in D(s) \quad \text{and} \quad i \in d(s)$$

FIG. 35

$$(24) \quad X^{b(s)} - M \cdot J_{bvd}^{b(s)} \leq X_{bvd}^{b(s)} \leq J_{bvd}^{b(s)} \cdot M$$

$$(25) \quad x_i^{b(s)} - M \cdot J_{bvd}^{b(s)} \leq x_{i,bvd}^{b(s)} \leq J_{bvd}^{b(s)} \cdot M$$

$$(26) \quad Z_i^{d(s)} - M \cdot (1 - J_{bvd}^{b(s)}) \leq Z_{i,bvd}^{d(s)} \leq (1 - J_{bvd}^{b(s)}) \cdot M + x_i^{b(s)}$$

$$(27) \quad z_i^{d(s)} - M \cdot (1 - J_{i,bvd}^{d(s)}) \leq z_{i,bvd}^{d(s)} \leq (1 - J_{i,bvd}^{d(s)}) \cdot M + Z_i^{d(s)}$$

$$(28) \quad I_{s,bvd}^h \in \{0,1\} \quad \forall s \in S, \quad bvd \in BVD(s), \quad h \in segments(bvd)$$

$$(29) \quad J_{bvd}^{b(s)} \in \{0,1\} \quad \forall s \in S, \quad b(s) \in B(s), \quad bvd \in coveredbids(b(s))$$

$$(30) \quad J_{bvd}^{d(s)} \in \{0,1\} \quad \forall s \in S, \quad d(s) \in D(s), \quad bvd \in coveredbids(d(s), i)$$

FIG. 36